



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Raynor Garage Doors**  
1101 East River Road, P.O. Box 448  
Dixon, IL 61021

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: DuraCoil and FireCoil Series UF/FF/IF Steel Roll-up Doors up to 8'-0" Wide**

**APPROVAL DOCUMENT:** Drawing No. P-1286, titled "Spec, Windload Series UF/FF/IF", sheets 1 through 4 of 4, dated 09/10/2013, with revision D dated 05/19/2014, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, city, state, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**LIMITATION:** This NOA requires the manufacturer to do testing of all coils used to fabricate door slats. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County approved laboratory. Every 3 months, the manufacturer shall mail to this office a copy of the test reports. Only coils with average yield strength of 48,300 psi or more shall be used to make door slats.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 14-0401.05 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*[Signature]*  
11/10/2015

NOA No. 15-0714.10  
Expiration Date: August 21, 2019  
Approval Date: November 19, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 14-0401.05”**

1. Drawing No. **P-1286**, titled “Spec, Windload Series UF/FF/IF”, sheet 1 through 4 of 4, dated 09/10/2013, with revision D dated 05/19/2014, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

**B. TESTS “Submitted under NOA # 14-0401.05”**

1. Addendum letter to Test Report No. **D4244.01-602-18**, dated 05/19/2014, signed and sealed by Shawn G. Collins, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Resistance Test per FBC, TAS 202-94  
5) Tensile Test per ASTM E 8,  
along with marked-up drawings and installation diagram of a Series FF, 8'-0" wide x 7'-0" high, 18 ga slat rolling steel garage door, prepared by Architectural Testing, Inc., Test Report No. **D4244.01-602-18**, dated 03/11/2014, with revision 1 dated 03/17/2014, signed and sealed by Shawn G. Collins, P.E.

**C. CALCULATIONS “Submitted under NOA # 14-0401.05”**

1. Anchorage calculations prepared by Richard A. Baumann P.E., dated 05/28/2014, signed and sealed by Richard A. Baumann P.E.,

**D. QUALITY ASSURANCE**

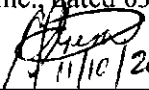
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS “Submitted under NOA # 08-0709.08”**

1. Test report on Self Ignition Temperature Test, per ASTM D1929 of AC FOAM II, prepared by Underwriters Laboratory Inc, Report # **R25153**, dated 03/07/2007, signed by Tom Lockhouse.
2. Atlas Roofing Corporation technical data on Flame Spread and Smoke Development per ASTM E84, dated 04/22/2008.

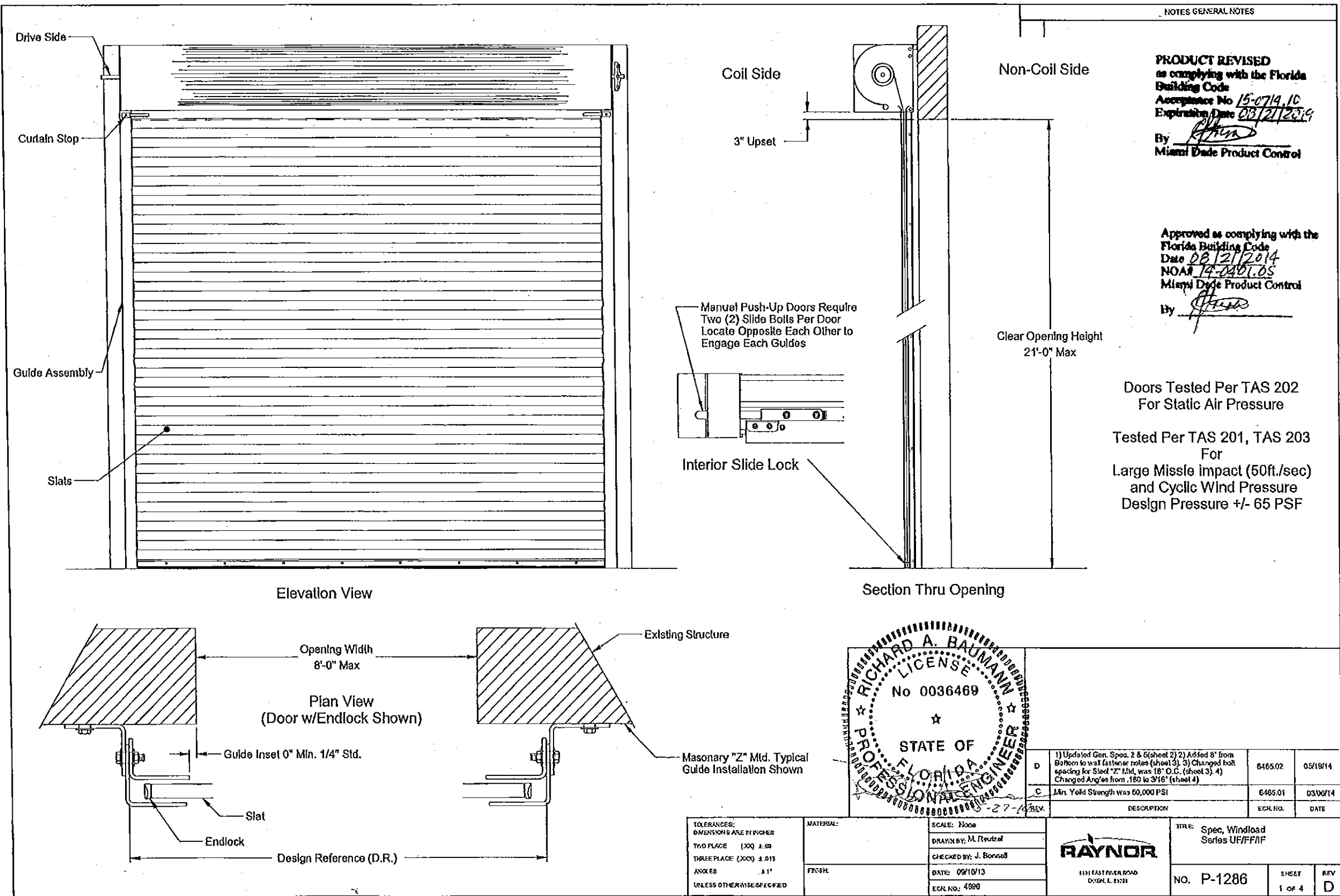
**E. STATEMENTS**

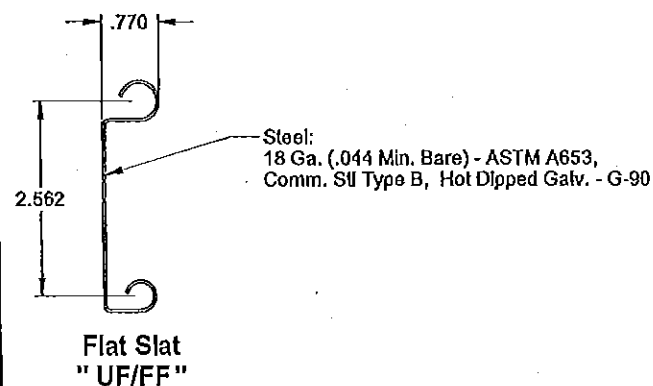
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and of no financial interest issued by Wendler Engineering Services, Inc., dated 09/09/2015, signed and sealed by Richard A. Baumann, P.E.  
  
“Submitted under NOA # 14-0401.05”
2. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 03/25/2014, signed and sealed by Richard A. Baumann, P.E.
3. No financial interest letter issued by Wendler Engineering Services, Inc., dated 03/25/2014, signed by Richard A. Baumann, P.E.

  
11/10/2015

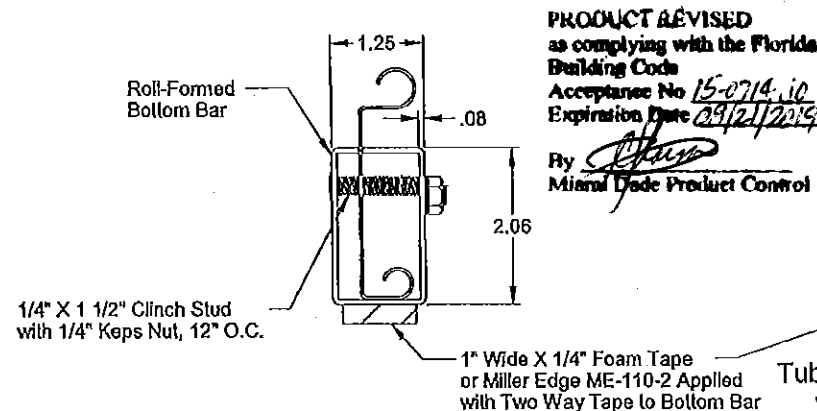
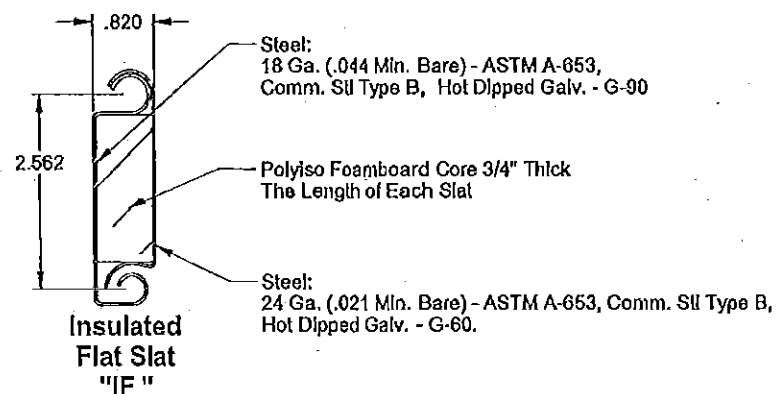
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0714.10

Expiration Date: August 21, 2019  
Approval Date: November 19, 2015

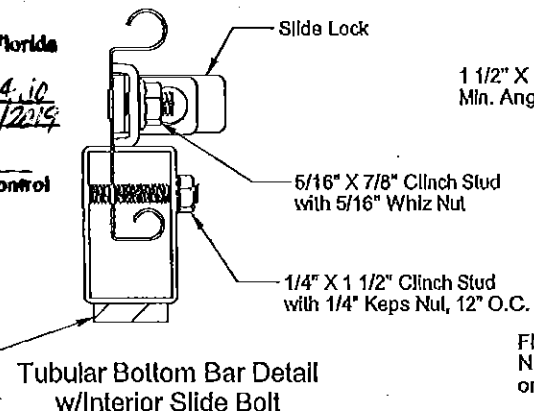




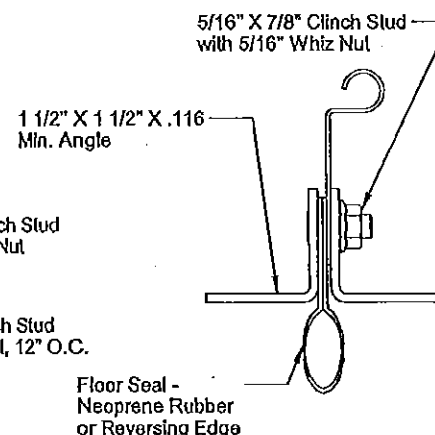
Flat Slat and Insulated Flat Slat Profiles



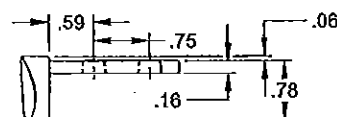
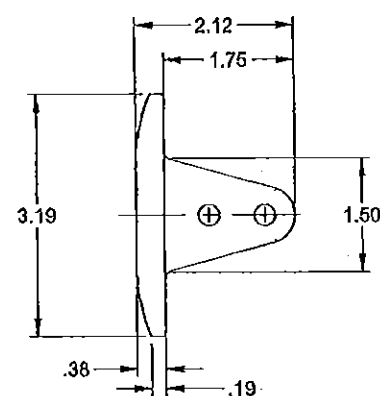
Tubular Bottom Bar Detail



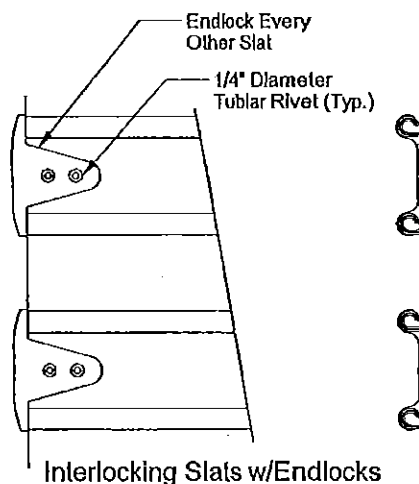
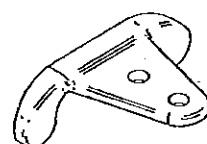
Tubular Bottom Bar Detail  
w/Interior Slide Bolt



Angle Bottom Bar  
Detail



Malleable Cast Iron Endlock

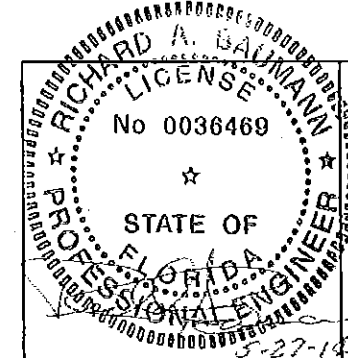


Interlocking Slats w/Endlocks

## General Specifications

- DOORS shall be rolling steel model DURACOIL (Standard Service Door) or FIRECOIL (Fire Door) as manufactured by Raynor Garage Doors.
- GUIDES - Roll-formed steel angle per ASTM A1011, Minimum 3/16" thick provided with 4 removable curtain stops. Minimum yield strength of 50,000 PSI.
- BRACKETS - Steel plates, in accordance to ASTM A36 Steel, Min. 3/16" thick, bolted to guides for mounting curtain and barrel assembly. Drive side bracket shall be fitted with a sealed ball bearing for long life.
- BARREL - Structural steel pipe, Minimum 4 1/2" O.D. x .120" wall thickness and designed to limit maximum deflection, under load, to .03" per foot of span.
- SPRING COUNTERBALANCE - The curtain shall be counterbalanced by means of oil tempered, helical torsion springs, grease-packed and mounted on a single continuous steel torsion shaft. Springs shall be compression spring design to facilitate any counterbalance maintenance. Cast iron spring anchors shall transfer full spring loading to the barrel. This is not part of the approval. It must be certified by an independent agency.
- HOOD - Shall be 24 ga. Commercial quality hot-dipped galvanized steel. Hood to have rolled edges to provide rigidity.
- GUIDE HARDWARE - All bolts and washers shall be galvanized steel or stainless steel with a minimum bolt tensile strength of 60 K.S.I.
- ENDLOCKS - Shall be cast malleable iron, in accordance to ASTM A47 - GRADE 32510 with electroplating in accordance to ASTM B633, clear chromate, Min. .0007 zinc coating thickness.
- CURTAIN FLAT SLAT - Interlocking slats rollformed from commercial quality hot dipped galvanized (G-90) steel per ASTM A653. Malleable endlocks fastened to alternate slats with 2 rivets per endlock, eliminates lateral movement and prevent slats from wearing at surfaces coming in contact with guides. Bottom of curtain shall be reinforced with Steel 1 1/4" X 2 1/16" X .078 tubular bottom bar or with (2) Steel angle, min. 1 1/2" X 1 1/2" X .116.
- CURTAIN INSULATED SLAT - Interlocking slats rollformed from commercial quality hot dipped galvanized (G-90) steel per ASTM A653. Each insulated standard service door slat shall have a 3/4" thick polyiso foamboard core, placed within the full length of the slat. Backing cover rollformed from 24 ga. commercial quality hot dipped galvanized (G-60) steel per ASTM A653. Malleable endlocks fastened to alternate slats with 2 rivets per endlock, eliminates lateral movement and prevent slats from wearing at surfaces coming in contact with guides. Bottom of curtain shall be reinforced with Steel 1 1/4" X 2 1/16" X .078 Tubular Bottom Bar or with (2) Steel angle, min. 1 1/2" X 1 1/2" X .116.

11) Steel slat material to have a min. yield strength of 48,378 psi.



Approved as complying with the  
Florida Building Code  
Date 08/21/2014  
NOA# 14-0001-03  
Miami Dade Product Control  
By [Signature]

TOLERANCES:  
DIMENSIONS ARE IN INCHES  
TWO PLACE (XXX) ±.05  
THREE PLACE (XXX) ±.015  
ANGLES ±1°  
UNLESS OTHERWISE SPECIFIED

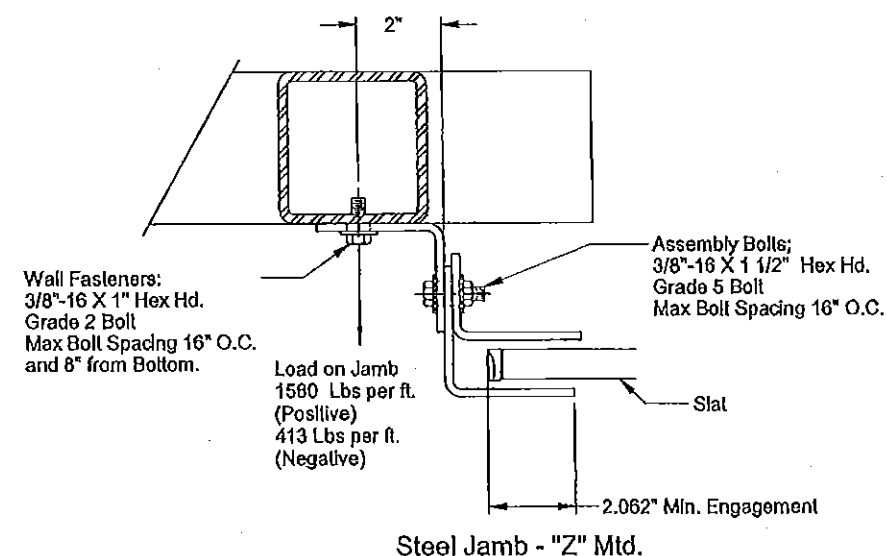
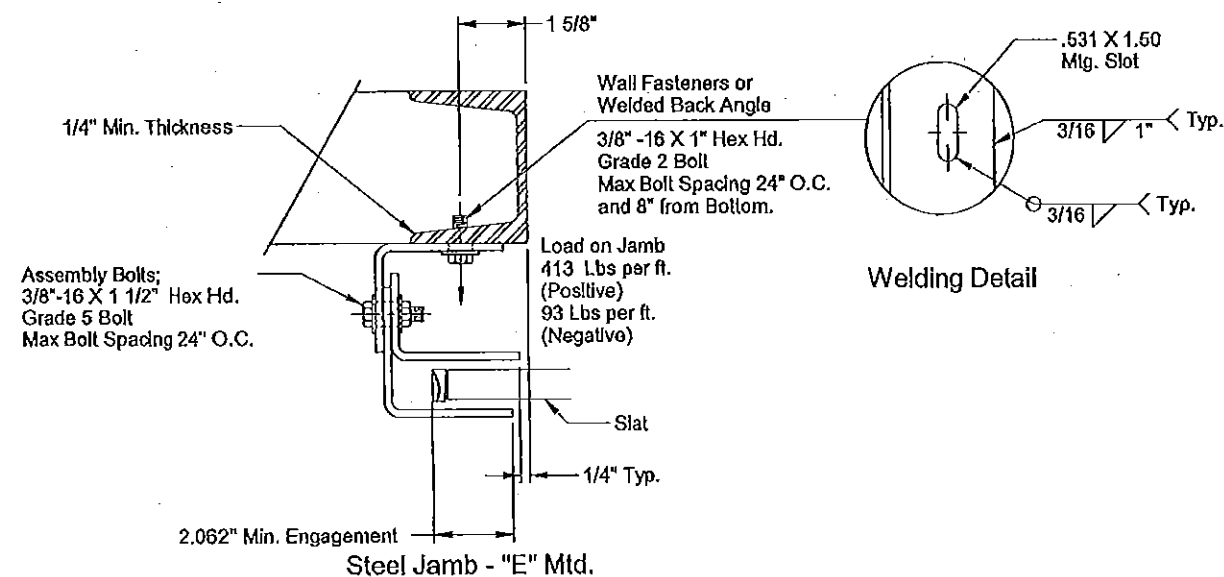
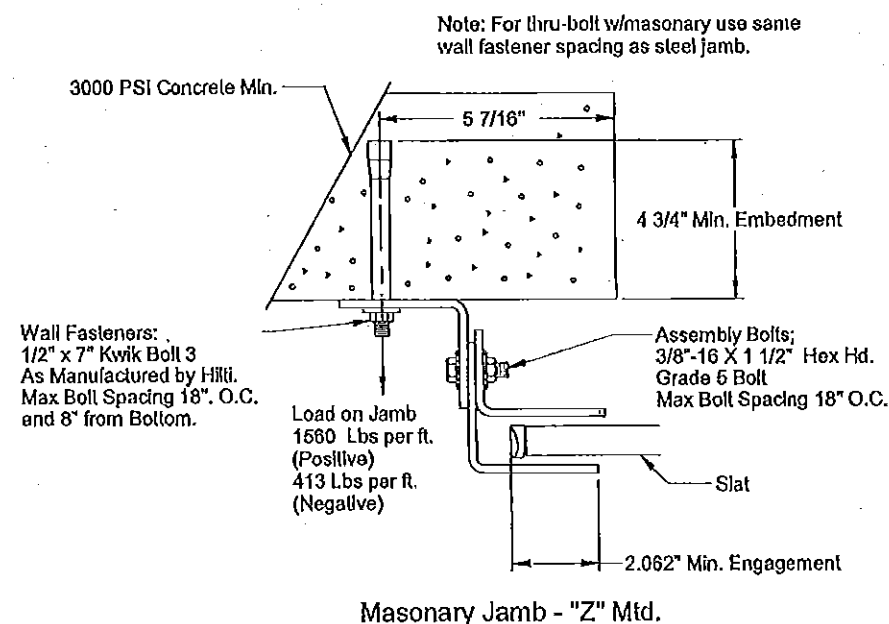
MATERIAL:  
FINISH

SCALE: None  
DRAWN BY: M. Routhel  
CHECKED BY: J. Bonnell  
DATE: 09/10/13  
ECL NO: 4686

RAYNOR  
1131 EAST RIVER ROAD  
DUCAN, L. 41221

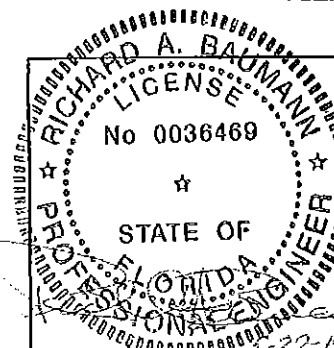
TITLE: Spec, Windload  
Series UF/FF/IF  
NO. P-1286  
SHEET 2 of 4  
REV D

GENERAL NOTES

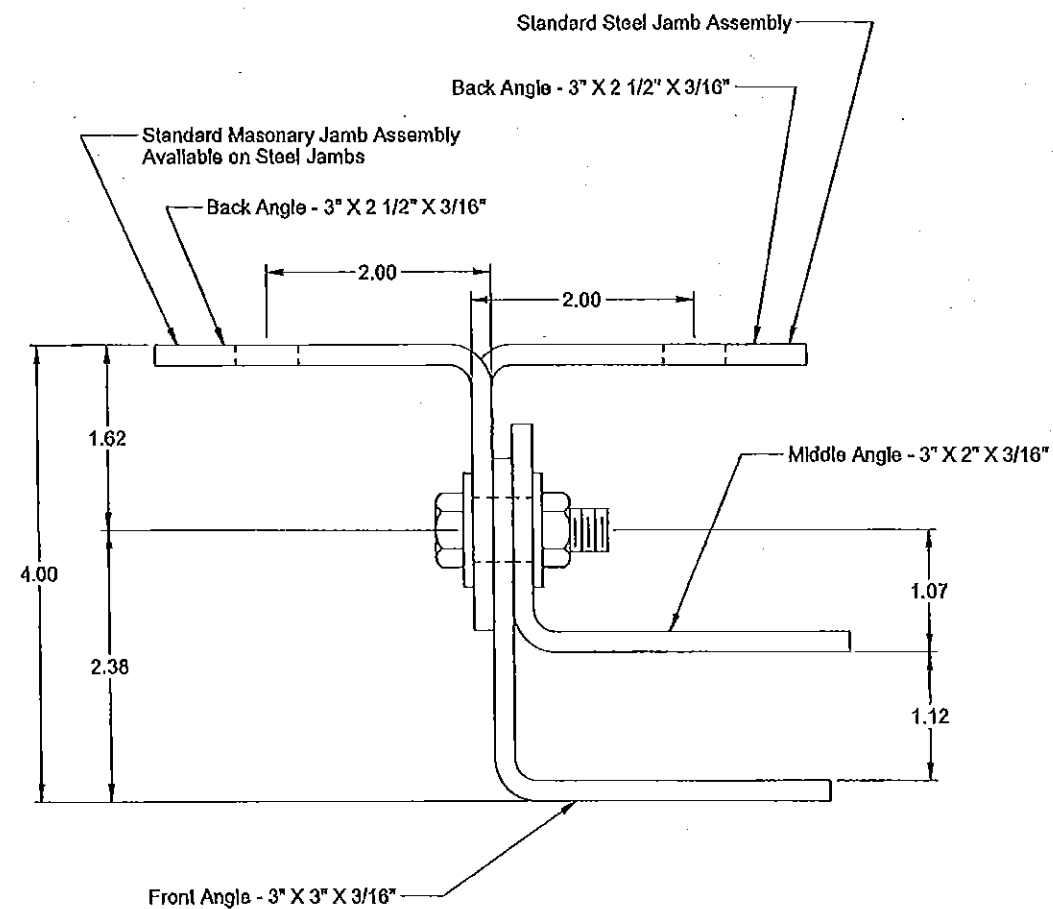


PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-074-10  
Expiration Date 08/21/2015  
By *[Signature]*  
Miami Desk Product Control

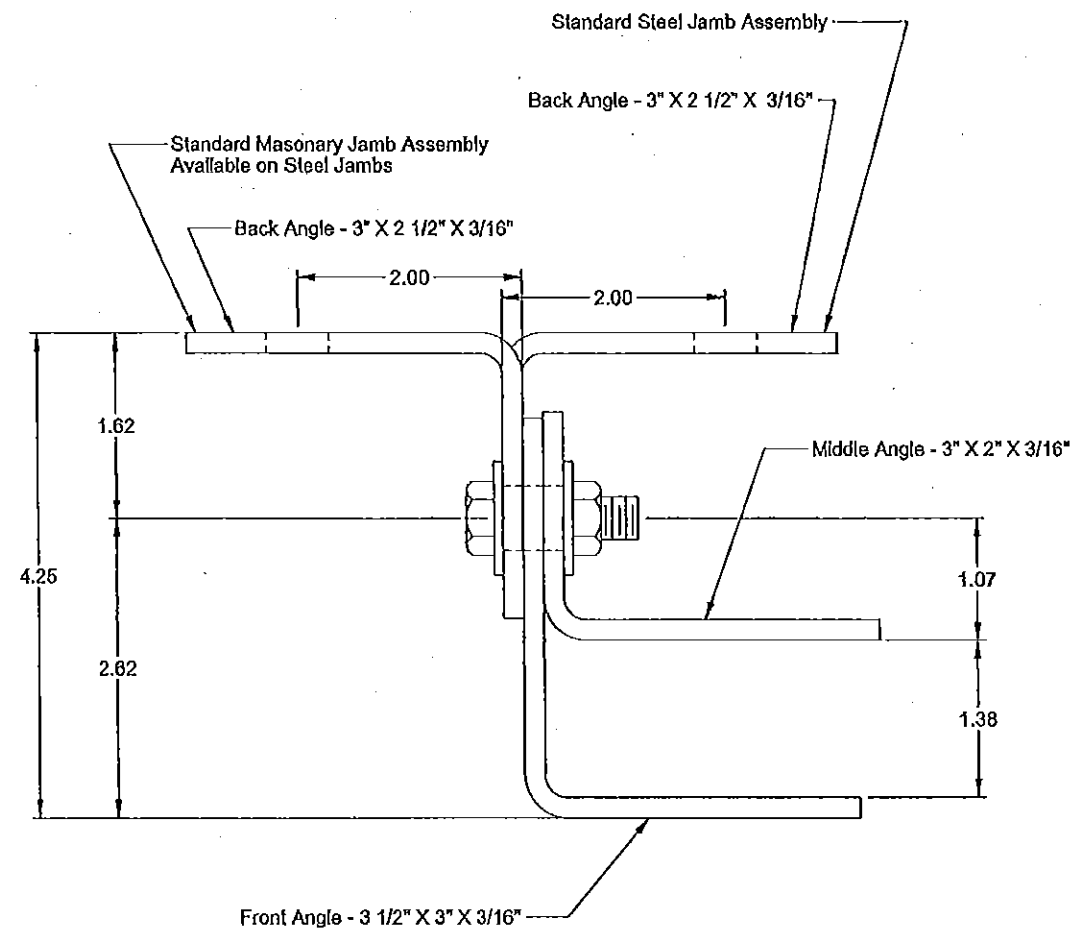
Approved as complying with the  
Florida Building Code  
Date 08/21/2014  
NOAH 15-0401-05  
Miami Desk Product Control  
By *[Signature]*



TOLERANCES: DIMENSIONS ARE IN INCHES TWO PLACE (XX) ±.05 THREE PLACE (XXX) ±.015 ANGLES ±.1° UNLESS OTHERWISE SPECIFIED	MATERIAL:	SCALE: None	DATE: 09/10/13	RAYNOR 1151 EAST RIVER ROAD DOXA, L. 31211	THE Spec. Windload Series UF/FF/IF	NO. P-1286	SHEET 3 OF 4	REV D
	FAIR:	DRAWN BY: M. Reitzel CHECKED BY: J. Bonnet	ECR NO: 4696					



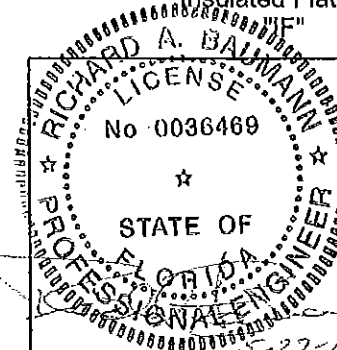
Guide Assembly #90  
Flat Slat  
"UF/FF"




Guide Assembly #93  
Insulated Flat Slat

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-0714-10  
Expiration Date 08/24/2019  
By *[Signature]*  
Miami Date Product Control

Approved as complying with the  
Florida Building Code  
Date 08/21/2019  
NOAH 15-0401-05  
Miami Date Product Control  
By *[Signature]*



TOLERANCES: DIMENSIONS ARE IN INCHES TWO PLACE (X) ±.05 THREE PLACE (X) ±.015 ANGLES ± 1° UNLESS OTHERWISE SPECIFIED	MATERIAL:  FINISH:	SCALE: None DRAWN BY: M. Reutzel CHECKED BY: J. Bennett DATE: 09/10/13 ECN NO: 4698	 1111 EAST RIVER ROAD DOON, L. 81921	TITLE: Spec. Windload Series UF/FFAF  NO. P-1286	SHEET 4 of 4	REV D
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